

IN THE CLAIMS:

Please amend the claims as follows:

1. (currently amended) A rotary optical aligning apparatus comprising:  
a pendulum disk;  
an optical illuminator mounted in a lower portion of said disk;  
a sleeve adapted to be secured on a shaft of a driving motor of a rotary machine; with said pendulum disk stationarily pendently hanged on said sleeve on said shaft;  
a ~~multiple-pole~~ magnet annularly secured on the sleeve to be simultaneously rotated with the rotation of the shaft; and  
an electromagnetic coil ~~eccentrically~~ formed in an upper portion of the said pendulum disk, and concentrically disposed around said ~~multiple-pole~~ magnet for rotatably engaging said magnet within said electromagnetic coil; said electromagnetic coil electrically connected to said illuminator; whereby upon rotation of said shaft and said magnet, said electromagnetic coil will be electromagnetically induced to produce electricity to power said illuminator for projecting an optical line to an object for alignment or marking to be processed by the rotary machine.
2. (currently amended) An apparatus according to Claim 1, wherein said pendulum disk includes: a disk center ( $X_1$ ) which is eccentric to a shaft axis ( $X_2$ ) of the shaft of the driving motor and the disk center ( $X_1$ ) is positioned below the shaft axis ( $X_2$ ), ~~said-eccentric~~ a circular hole eccentrically formed in an upper portion of the pendulum disk and having a bearing formed in a

base portion of the disk along a perimeter of the ~~eccentric~~ circular hole for rotatably engaging a sleeve neck portion adjacent to the collar of the sleeve having the sleeve neck portion annularly secured on the shaft, a gravity center of the pendulum disk formed in a lower portion of the pendulum disk below the shaft axis ( $X_2$ ); wherein the ~~multiple-pole~~ magnet is concentrically formed on the collar of the sleeve and simultaneously rotating with the rotation of the shaft to render as a rotor to be rotatably engaged in the electromagnetic coil, which is concentrically disposed around the magnet and is secured in an annular recess ~~radially~~ radially enlarged from the ~~eccentric~~ circular hole in the pendulum disk which is gravitationally pendent and stationary to allow the electromagnetic coil to serve as a stator relative to the rotor of the magnet; a center of the ~~eccentric~~ circular hole being aligned with the shaft axis ( $X_2$ ) of the shaft.

3. (currently amended) An apparatus according to Claim 1, wherein said optical illuminator is mounted in a chamber inclinedly formed in ~~a~~ the lower portion of the pendulum disk for projecting an optical line downwardly to an object to be mechanically processed.
4. (currently amended) An apparatus according to Claim 1, wherein said illuminator is horizontally mounted in a horizontal chamber formed in ~~a~~ the lower portion of the pendulum disk, a prism formed in front of the illuminator to reflect an optical line as projected from the illuminator downwardly through a radial slot

in the disk to be projected downwardly to an object.

5. (currently amended) An apparatus according to Claim 1, wherein said illuminator is a laser illuminator, ~~including a laser diode connected to a rectifying circuit electrically connected to said electromagnetic coil for powering said illuminator; and a lens including a cylindrical surfaced lens formed in front of said laser diode.~~
6. (canceled).